

**UIC PERMIT APPLICATION AND RELATED SUBMITTALS**  
**May 3, 2013**

**LIST OF DOCUMENTS**

- Item 1: March 2011 – Application to Amend Underground Injection Control Permit No. AZ396000001, Volume 1 of 2, Attachments A through F
- Item 2: March 2011 – Application to Amend Underground Injection Control Permit No. AZ396000001, Volume 2 of 2, Attachments H through U
- Item 3: July 25, 2011 – Letter to Nancy Rumrill, EPA, Re: Supplemental Data and Information in Support of Curis Resources (Arizona) Inc. Application to Amend Underground Injection Control Permit (UIC No. AZ396000001)
- Attachments: Borehole Packer Test Records  
Class III Well Cement Records  
Example Forms 7520-14
- Item 4: August 18, 2011 – Letter to Nancy Rumrill, EPA, Re: Supplemental Data and Information Regarding the Groundwater Model Prepared in Support of Curis Resources (Arizona) Inc. Application to Amend Underground Injection Control Permit (UIC No. AZ396000001)
- Attachments: *DRAFT Analytical Interpretation of Hydraulic Tests at the Florence Mine Site for Magma Copper Company Florence In-Situ Leaching Project*, prepared by Golder Associates, Inc. dated February 1996  
Oxide Bedrock Unit Aquifer Test Results Database
- Item 5: March 30, 2012 – Letter to Nancy Rumrill, EPA, Re: Response to Request for Information dated January 30, 2012 Class III Underground Injection Control Permit Application, Curis Resources (Arizona) Inc.
- Appendix A: Revised Attachment Q – Plugging and Abandonment Plan (in letter)  
Appendix B: Modeling Files

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Item 6: April 19, 2012 – Submittal of Cultural Resource Full Size Figures, Curis Resources (Arizona) Inc.

Attachments: Figure 1 – Phase I Map  
Figure 2 – Proposed Facility Layout  
Figure 3 – Phase II Map  
Figure 4 – Core Hole Map

Item 7: June 1, 2012 – Letter to Nancy Rumrill, EPA, Re: Application for Modification and Transfer of Underground Injection Control Permit No. AZ396000001 from Florence Copper, Inc. to Curis Resources (Arizona) Inc.

Attachment 1: Table of Contents with Notes Referencing Phase I (part of letter)  
Attachment 2: Figure 7-2, Attachment 7 of the March 2012 Temporary APP Application  
Attachment 3: Figures 14A-8, 14A-9, 14C-48, 14C-49, 14C-50, 14C-51, and 14C-52 of the March 2012 Temporary APP Application  
Attachment 4: Exhibit 10-C, Attachment 10 of the March 2012 Temporary APP Application  
Attachment 5: Updated Response to Comment 15 of the USEPA January 30, 2012 Request for Information (Plan of Operation and Table 1)  
Attachment 6: Exhibit 9A of the March 12, 2012 Temporary APP Application

Item 8: September 10, 2012 – Letter to Nancy Rumrill, EPA, Re: Response to Request for Information dated July 20, 2012, Class III Underground Injection Control (UIC) Well Permit Application, Curis Resources (Arizona) Inc.

Tables: Table 3-1: Wells and Core Holes within 500 Feet of the PTF Well Field  
Figures: Figure 2-1: Model Predicted Migration of Lixiviant – Scenario 1 (30 days without hydraulic control)  
Figure 2-2: Model Predicted Migration of Lixiviant – Scenario 1 (48 hours without hydraulic control)  
Figure 2-3: Model Predicted Migration of Lixiviant – Scenario 2  
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Figure 2-5: Model Predicted Migration of Lixiviant – Scenario 4  
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Figure 9-1: Model Predicted Migration of Lixiviant – Scenario 8 (West-facing Cross Section)

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- Figure 9-2: Model Predicted Migration of Lixiviant – Scenario 8  
(North-facing Cross Section)  
Figure 18-1: Proposed POC and Supplemental Monitor Well Locations  
Figure 18-2: POC Well Design - M55-UBF  
Figure 18-3: POC Well Design - M56-LBF
- Appendix A: Original Well And Core Hole Records  
Appendix B: Revised Phase 1 PTF Operations Plan  
Appendix C: Revised Temporary APP Figure 9A-1, Typical Injection/Recovery Well Construction Diagram  
Appendix D: Temporary APP Attachment 9 – Design Documents (Item 25.c)  
Appendix E: Temporary APP Figure 8-1 – Site Plan  
Appendix F: Proposed Revised Design of One New Point of Compliance Well (M54-LBF/O), Submitted to ADEQ August 27, 2012  
Appendix G: EPA Forms 7520-14, Plugging and Abandonment Plans  
Appendix H: Revised Temporary APP Table 5.2, PTF Closure and Post-Closure Cost Estimates
- Item 9: December 14, 2012 – Response to Request for Information dated November 8, 2012, Class III Underground Injection Control (UIC) Well Permit Application, Curis Resources (Arizona) Inc.
- Attachment 1: Revised Figure APP RTC(E) 18-1: Wells and Core Holes within 500 feet of PTF  
Revised Figure 8-1: Site Plan  
Revised Figure 9-1: Model-Predicted Migration of Lixiviant – Scenario 8 (West-Facing Cross Section)  
Revised Figure 9-2: Model-Predicted Migration of Lixiviant – Scenario 8 (North-Facing Cross Section)  
Revised Figure 12-1: Existing and Proposed Point of Compliance Wells
- Attachment 2: Revised North-South Cross Sections and East-West Cross Sections  
Attachment 3: Revised Operations Plan  
Attachment 4: Figure 11-1: Monitor Well Locations, Proposed Test Facility;  
Figure 11-2: Supplemental Monitoring Well M61-LBF Design  
Attachment 5: Figure 12-1: Supplemental Monitoring Well M57-O Design  
Figure 12-2: Supplemental Monitoring Well M58-O Design  
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Figure 12-4: Supplemental Monitoring Well M60-O Design

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Item 10: March 4, 2013 – Response to Request for Information dated February 27, 2013, Class III Underground Injection Control (UIC) Well Permit Application, Curis Resources (Arizona) Inc.

Attachment 1: Revised Operations Plan

Attachment 2: Revised Figure 11-1, Monitor Well Location (Revised), Proposed Test Facility

Attachment 3: Revised Figure 11-2, Supplemental Monitoring Well M61-LBF Design